

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/575,638A

CRF Processing Date: 9/5/2000

Edited by: A. REC

Verified by: A. REC (STIC staff)

TECH CENTER 1600/2900

- ENTERED**
- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☒ Inserted mandatory headings, specifically: (A) ADDRESSEE:
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RECEIVED

SEP 12 2000

TECH CENTER 1600/2999

RAW SEQUENCE LISTING DATE: 09/08/2000
 PATENT APPLICATION: US/09/575,638A TIME: 14:26:46

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\09082000\I575638A.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:
 5 (i) APPLICANT: LAFFEND, LISA ANNE
 6 NAGARAJAN, VASANTHA
 7 NAKAMURA, CHARLES
 9 (ii) TITLE OF INVENTION: BIOCONVERSION OF A FERMENTABLE
 10 CARBON SOURCE TO 1,3-PROPANE-DIOL BY A SINGLE MICROORGANISM
 12 (iii) NUMBER OF SEQUENCES: 46
 22 (iv) CORRESPONDENCE ADDRESS:
 15 (A) ADDRESSEE: E. I. DUPONT DE NEMOURS AND COMPANY
 24 (B) STREET: 4 CAMBRIDGE PLACE
 25 1870 SOUTH WINTON ROAD
 26 (C) CITY: ROCHESTER
 27 (D) STATE: NEW YORK
 28 (E) COUNTRY: U.S.A.
 29 (F) ZIP: 14618
 31 (v) COMPUTER READABLE FORM:
 32 (A) MEDIUM TYPE: 3.50 INCH DISKETTE
 33 (B) COMPUTER: IBM
 34 (C) OPERATING SYSTEM: MICROSOFT WINDOWS 95
 35 (D) SOFTWARE: MICROSOFT WORD 7.0A
 37 (vi) CURRENT APPLICATION DATA:
 C--> 38 (A) APPLICATION NUMBER: US/09/575,638A
 C--> 39 (B) FILING DATE: 22-May-2000
 40 (C) CLASSIFICATION:
 42 (vii) PRIOR APPLICATION DATA:
 43 (A) APPLICATION NUMBER: 08/440,293
 44 (B) FILING DATE: MAY 12, 1995
 46 (viii) ATTORNEY/AGENT INFORMATION:
 47 (A) NAME: LINDA AXAMETHY FLOYD
 48 (B) REGISTRATION NUMBER: 33,692
 49 (C) REFERENCE/DOCKET NUMBER: CR9715 US DIV1
 51 (ix) TELECOMMUNICATION INFORMATION:
 52 (A) TELEPHONE: 302-892-8112
 53 (B) TELEFAX: 302-773-0164
 56 (2) INFORMATION FOR SEQ ID NO: 1:
 58 (i) SEQUENCE CHARACTERISTICS:
 59 (A) LENGTH: 12145 base pairs
 60 (B) TYPE: nucleic acid
 61 (C) STRANDEDNESS: single
 62 (D) TOPOLOGY: linear
 64 (ii) MOLECULE TYPE: DNA (genomic)
 C--> 66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 68 GTCGACCACC ACGGTGGTGA CTTTAATGCC GCTCTCATGC AGCAGCTCGG TGGCGGTCTC 60
 70 AAAATTCAGG ATGTCGCCGG TATAGTTTTT GATAATCAGC AAGACGCCTT CGCGCCGCTC 120
 72 AATTTGCATC GCGCATTCAA ACATTTTGTC CGGCGTCGGC GAGGTGAATA TTTCCCCCGG 180
 74 ACAGGCGCCG GAGAGCATGC CCTGGCCGAT ATAGCCGCAG TGCATCGGTT CATGTCCGCT 240

RECEIVED
SEP 12 2000
TECH CENTER 1600

RAW SEQUENCE LISTING

DATE: 09/08/2000

PATENT APPLICATION: US/09/575,638A

TIME: 14:26:46

Input Set : A:\Pto.amc

Output Set: N:\CRF3\09082000\I575638A.raw

```

76 GCCGCCGCCG GAGAGCAGGG CCACCTTGCC AGCCACCGGC GCGTCGGTGC GGGTCACATA 300
78 CAGCGGGTCC TGATGCAGGG TCAGCTGCGG ATGGGCTTTA GCCAGCCCTT GTAATTGTTC 360
80 ATTCAGTACA TCTTCAACAC GGTTAATCAG CTTTTTCATT ATTCAGTGCT CCGTTGGAGA 420
82 AGGTTTCGATG CCGCTCTCTT GCTGGCGGAG GCGGTTCATCG CGTAGGGGTA TCGTCTGACG 480
84 GTGGAGCGTG CCTGGCGATA TGATGATTCT GGCTGAGCGG ACGAAAAAAA GAATGCCCCG 540
86 ACGATCGGGT TTCATTACGA AACATTGCTT CCTGATTTTG TTTCTTTATG GAACGTTTTT 600
88 GCTGAGGATA TGGTGAATAA GCGAGCTGGC GCGCTTTTTT TCTTCTGCCA TAAGCGGCGG 660
90 TCAGGATAGC CGGCGAAGCG GGTGGGAAAA AATTTTTTGC TGATTTTCTG CCGACTGCGG 720
92 GAGAAAAGGC CGTCAACACG GGAGGATTGT AAGGGCATTG TCGGGCAAGG GAGCGGATCG 780
94 GGATCGCAAT CCTGACAGAG ACTAGGGTTT TTTGTTCCAA TATGGAACGT AAAAAATTAA 840
96 CCTGTGTTTC ATATCAGAAC AAAAAGGCGA AAGATTTTTT TGTTCCCTGC CGGCCCTACA 900
98 GTGATCGCAC TGCTCCGGTA CGCTCCGTTT AGGCCGCGCT TCACTGGCCG GCGCGGATAA 960
100 CGCCAGGGCT CATCATGTCT ACATGCGCAC TTATTTGAGG GTGAAAGGAA TGCTAAAAAGT 1020
102 TATTTCAATCT CCAGCCAAAT ATCTTCAGGG TCCTGATGCT GCTGTTCTGT TCGGTCAATA 1080
104 TGCCAAAAAC CTGGCGGAGA GCTTCTTCGT CATCGCTGAC GATTTTCGTAA TGAAGCTGGC 1140
106 GGGAGAGAAA GTGGTGAATG CCCTGCAGAG CCACGATATT CGCTGCCATG CGGAACGGTT 1200
108 TAACGCGCAA TGCAAGCATG CGGAAATCAA CCGTCTGATG GCGATTTTGC AAAAAACAGG 1260
110 CTGCGCGGGC GTGGTTCGGA TCGGCGGTGG TAAAACCCCTC GATACCGCGA AGGCGATCGG 1320
112 TTAATACCAAG AAGCTGCCGG TGGTGGTGAT CCCGACCATC GCCTCGACCG ATGCGCCAAC 1380
114 CAGCGCGCTG TCGGTGATCT ACACCGAAGC GGGCGAGTTT GAAGAGTATC TGATCTATCC 1440
116 GAAAAACCCG GATATGGTGG TGATGGACAC GGCATTATC GCCAAAGCGC CGGTACGCCT 1500
118 GCTGGTCTCC GGCATGGGCG ATGCGCTCTC CACCTGGTTC GAGGCCAAAG CTTGCTACGA 1560
120 TGCAGCGGCC ACCAGCATGG CCGGAGGACA GTCCACCGAG GCGGCGCTGA GCCTCGCCCG 1620
122 CCTGTGCTAT GATACGCTGC TGGCGGAGGG CGAAAAGGCC CGTCTGGCGG CGCAGGCGCG 1680
124 GGTAGTGACC GAAGCGCTGG AGCGCATCAT CGAGGCGAAC ACTTACCTCA GCGGCATTGG 1740
126 CTTTGAAAGC AGTGGCCTGG CCGCTGCCCA TGCAATCCAC AACGGTTTCA CCATTCTTGA 1800
128 AGAGTGCCAT CACCTGTATC ACGGTGAGAA AGTGGCCTTC GGTACCTTGG CGCAGCTGGT 1860
130 GCTGCAGAAC AGCCCGATGG ACGAGATTGA AACGGTGCAG GGCTTCTGCC AGCGCGTCGG 1920
132 CTGCGCGGTG ACCTCGCGCG AGATGGGCGT CAAAGAGGGG ATCGACGAGA AAATCGCCGC 1980
134 GGTGGCGAAA GCTACCTGCG CGGAAGGGGA AACCATCCAT AATATGCCGT TTGCGGTGAC 2040
136 CCCCGAGAGC GTCCATGCCG CTATCCTCAC CGCCGATCTG TTAGGCCAGC AGTGGCTGGC 2100
138 GCGTTAATTC GCGGTGGCTA AACCGCTGGC CCAGGTCAGC GGTTTTCTCT TCTCCCTCC 2160
140 GGCAGTCGCT GCCGGAGGGG TTCTCTATGG TACAACGCGG AAAAGGATAT GACTGTTTCA 2220
142 ACTCAGGATA CCGGGAAGGC GGTCTCTTCC GTCATGCCC AGTCATGGCA CCGCTGCAGC 2280
144 AAGTTTATGC AGCGCGAAAC CTGGCAAACG CCGCACCAGG CCCAGGGCCT GACCTTCGAC 2340
146 TCCATCTGTC GCGGTAATAA CCGCTGCTC ACCATCGGCC AGGCGGCGCT GGAAGACGCC 2400
148 TGGGAGTTTA TGGACGGCCG CCCCTGCGCG CTGTTTATTC TTGATGAGTC CGCTGCATC 2460
150 CTGAGCCGTT GCGGCGAGCC GCAAACCCTG GCCCAGCTGG CTGCCCTGGG ATTTCCGCGAC 2520
152 GGCAGCTATT GTGCGGAGAG CATTATCGGC ACCTGCGCGC TGTCGCTGGC CGCGATGCAG 2580
154 GGCCAGCCGA TCAACACCGC CGGCGATCGG CATTTTAAGC AGGCGCTACA GCCATGGAGT 2640
156 TTTTGCTCGA CGCCGGTGTG TGATAACCAC GGGCGGCTGT TCGGCTCTAT CTCGCTTTGC 2700
158 TGTCTGGTCG AGCACCAGTC CAGCGCCGAC CTCTCCCTGA CGCTGGCCAT CGCCCGCGAG 2760
160 GTGGGTAAC CTCTGCTTAC CGACAGCTG CTGGCGGAAT CCAACCGTCA CCTCAATCAG 2820
162 ATGTACGGCC TGCTGGAGAG CATGGACGAT GGGGTGATGG CGTGAACGA ACAGGGCGTG 2880
164 CTGCAGTTTC TCAATGTTCG GCGGCGGAGA CTGCTGCATC TTGATGCTCA GGCCAGCCAG 2940
166 GGGAAAAATA TCGCCGATCT GGTGACCTC CCGGCGCTGC TCGCGCGCGC CATCAAAAC 3000
168 GCGCGCGGCC TGAATCAGT CGAAGTCACC TTTGAAAGTC AGCATCAGT TGTCGATGCG 3060
170 GTGATCACTT TAAAACCGAT TGTCGAGGCG CAAGGCAACA GTTTTATTCT GCTGCTGCAT 3120
172 CCGGTGGAGC AGATGCGGCA GCTGATGACC AGCCAGCTCG GTAAAGTCAG CCACACCTTT 3180

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/575,638A
 DATE: 09/08/2000
 TIME: 14:26:46

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\09082000\I575638A.raw

```

174 GAGCAGATGT CTGCCGACGA TCCGGAACCC CGACGCCTGA TCCACTTTGG CCGCCAGGCG 3240
176 GCGCGCGGCG GCTTCCCGGT GCTACTGTGC GCGGAAGAGG GGGTCGGGAA AGAGCTGCTG 3300
178 AGCCAGGCTA TTCACAATGA AAGCGAACGG GCGGGCGGCC CCTACATCTC CGTCAACTGC 3360
180 CAGCTATATG CCGACAGCGT GCTGGGGCAG GACTTTATGG GCAGCGCCCC TACCGACGAT 3420
182 GAAAAATGGTC GCCTGAGCCG CCTTGAGCTG GCCAACGGCG GCACCCCTGT TCTGGAAAAG 3480
184 ATCGAGTATC TGGCGCCGGA GCTGCAGTCG GCTCTGCTGC AGGTGATTAA GCAGGGCGTG 3540
186 CTCACCCGCC TCGACGCCCG GCGCCTGATC CCGGTGGATG TGAAGGTGAT TGCCACCACC 3600
188 ACCGTCGATC TGGCCAATCT GGTGGAACAG AACCGCTTTA GCCGCCAGCT GTACTATGCC 3660
190 CTGCACTCCT TTGAGATCGT CATCCCGCCG CTGCGCGGCC GACGCAACAG TATTCCGTCG 3720
192 CTGGTGATCA ACCGGTTGAA GAGCCTGGAG AAGCGTTTCT CTTCGCGACT GAAAGTGGAC 3780
194 GATGACGCGC TGGCAGAGCT GGTGGCCTAC TCGTGGCCCG GGAATGATTT TGAGCTCAAC 3840
196 AGCGTCATTG AGAATATCGC CATCAGCAGC GACAACGGCC ACATTGCGCT GAGTAATCTG 3900
198 CCGGAATATC TCTTTTCCGA GCGGCCGGGC GGGGATAGCG CGTCATCGCT GGTGCCGGCC 3960
200 AGCCTGACTT TTAGCGCCAT CGAAAAGGAA GCTATTATTC ACGCCGCCCG GGTGACCAAGC 4020
202 GGGCGGGTGC AGGAGATGTC GCAGCTGCTC AATATCGGCC GCACCACCTT GTGGCGCAAA 4080
204 ATGAAGCAGT ACGATATTGA CGCCAGCCAG TTCAAGCGCA AGCATCAGGC CTAGTCTCTT 4140
206 CGATTGCGCG CATGGAGAAC AGGGCATCCG ACAGGCGATT GCTGTAGCGT TTGAGCGCGT 4200
208 CGCGCAGCGG ATGCGCGCGG TCCATGGCCG TCAGCAGGCG TTCGAGCCGA CGGGACTGGG 4260
210 TGCGCGCCAC GTGCAGCTGG GCAGAGGCGA GATTCCTCCC CGGGATCAGC AACTGTTTTA 4320
212 ACGGGCCGCT CTCGGCCATA TTGCGGTCGA TAAGCCGCTC CAGGGCGGTG ATCTCCTCTT 4380
214 CGCCGATCGT CTGGCTCAGG CCGGTCAGGC CCGCGCATC GCTGGCCAGT TCAGCCCCCA 4440
216 GCACGAACAG CGTCTGCTGA ATATGGTGCA GGCTTTCCCG CAGCCCGGCG TCGCGGGTGC 4500
218 TGGCGTAGCA GACGCCAGC TGGGATATCA GTTCATCGAC GGTGCCGTAG GCCTCGACGC 4560
220 GAATATGGTC TTTCTCGATG CGGCTGCGC CGTACAGGCG GGTGGTGCCT TTATCCCGG 4620
222 TGCGGGTATA GATACGATAC ATTCACTTTC TCTCACTTAA CGGCAGGACT TTAACCACTG 4680
224 GCGCGCGGCT GCGCGCGAGC GTACGCGATT GATCGTCGCT ATCGGTGACG TGTCCGGTAG 4740
226 CCAGCGGCGC GTCCGCGGCG AGCTGGGCAT GAGTGAGGCG TATCTCGCCG GACGCGCTGA 4800
228 GCGCGATACC CACCCGAGG GCGGAGCTTC TGGCCGCCAG GCGGCCAGC GCAGCGGCGT 4860
230 CACCGCTTCC GTCATAGGTT ATGGTCTGGC AGGGGACCCC CTGCTCCTCC AGCCCCCAGC 4920
232 ACAGCTCATT GATGGCGCCG GCATGGTGCC CGCGCGGATC GTAAAACAGG CGTACGCCCTG 4980
234 GCGGTGAAAG CGACATGACG GTCCCTCGT TAACACTCAG AATGCCTGGC GGAAAATCGC 5040
236 GGCAATCTCC TGCTCGTTGC CTTTACGCGG GTTCGAGAAC GCATTGCCGT CTTTATAGAGC 5100
238 CATCTCCGCC ATGTAGGGGA AGTCGGCCTC TTTTACCCCC AGATCGCGCA GATGCTGCGG 5160
240 AATACCGATA TCCATCGACA GACGCGTGAT AGCGGCGATG GCTTTTTCGG CCGCGTCCGAG 5220
242 AGTGGACAGT CCGGTGATAT TTTCGCCCAT CAGTTCAGCG ATATCGGCGA ATTTCTCCGG 5280
244 GTTGGCGATC AGGTTGTAGC GCGCCACATG CGGCAGCAGG ACAGCGTTGG CCACGCGGTG 5340
246 CGGCATGTGC TACAGGCCCG CCAGCTGGTG CGCCATGGCG TGCACGTAGC CGAGGTGGC 5400
248 GTTATTGAAA GCCATCCCGG CCAGCAGAGA AGCATAGGCC ATGTTTTCCT GCGCCTGCAG 5460
250 ATTGTGCGCG AGGGCCACCG CCTGGCGCAG GTTGCGGGCG ATGAGGCGGA TCGCCTGCAT 5520
252 GCGCGCGGCG TCCGTACCGG GGTAGCGTTC TTTGGAGATA TAGGCCTCTA CCGCGTGGGT 5580
254 CAGGCGATCC ATCCCGGTCG CCGCGGTCAG GCGCGCCGCT TTACCGATCA TCAGCAGTGG 5640
256 ATCGTTGATA GAGACCGACG GCAGTTTGGC CCAGCTGACG ATCACAACCT TCACTTTGGT 5700
258 TTCGGTGTTC GTACAGACGC AGTGGCGGGT GACCTCGCTG GCGGTGCCGG CGGTGGTATT 5760
260 GACCGCGACG ATAGGCGGCA GCGGGTTGGT CAGGGTCTCG ATTCGGGCAT ACTGGTACAG 5820
262 ATCGCCCTCA TGGGTGGCGG CGATGCCGAT GCCTTTGCCC CAATCGTGCG GGCTGCCGCC 5880
264 GCGCACGGTG ACGATGATGT CGCACTGTTC GCGGCGAAAC ACGGCGAGGC CGTCGCGCAC 5940
266 GTTGGTGTCT TTCGGGTTCC GCTCGACGCC GTCAAAGATC GCCACCTCGA TCCCGGCCCTC 6000
268 CCGCAGATAA TGCAGGGTTT TGTCCACCGC GCCATCTTTA ATTGCCCGCA GGCCTTTGTC 6060
270 GGTGACCAAG AGGGCTTTTT TCCCCCCAG CAGCTGGCAG CGTTCGCCGA CTACGGAAT 6120

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/575,638A
 DATE: 09/08/2000
 TIME: 14:26:46

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\09082000\I575638A.raw

272	GGCGTTGGGG	CCAAAAAAGT	TAACGTTTGG	CACCAGATAA	TCAAACATAC	GATAGCTCAT	6180
274	AATATACCTT	CTCGCTTCAG	GTTATAATGC	GGAAAAACAA	TCCAGGGCGC	ACTGGGCTAA	6240
276	TAATTGATCC	TGCTCGACCG	TACCGCCGCT	AACGCCGACG	GCGCCAATTA	CCTGCTCATT	6300
278	AAAAATAACT	GGCAGGCCCG	CGCCAAAAAT	AATAATTCGC	TGTTGGTTGG	TTAGCTGCAG	6360
280	ACCGTACAGA	GATTGTCTCT	GCTGGACCGC	TGACGTAATT	TCATGGGTAC	CTTGCTTCAG	6420
282	GCTGCAGGCG	CTCCAGGCTT	TATTCAGGGA	AATATCGCAG	CTGGAGACGA	AGGCCTCGTC	6480
284	CATCCGCTGG	ATAAGCAGCG	TGTTGCCTCC	GCGGTCAACT	ACGGAACACA	CCACCCGCAC	6540
286	GTGATCTCA	GTGGCTTTTT	TTTCCACCGC	CGCCGCCATT	TGCTGGGCGG	CGGCCAGGGT	6600
288	GATTGTCTGA	ACTTGTTGGC	TCTTGTTTAT	CATTCTCTCC	CGCACCAGGA	TAACGCTGGC	6660
290	GCGAATAGTC	AGTAGGGGGC	GATAGTAAAA	AACTATTACC	ATTCGGTTGG	CTTGCTTTAT	6720
292	TTTTGTGAGC	GTTATTTTGT	CGCCCGCCAT	GATTTAGTCA	ATAGGGTTAA	AAATAGCGTCG	6780
294	GAAAAACGTA	ATTAAGGGCG	TTTTTTATTA	ATTGATTTAT	ATCATTGCGG	GCGATCACAT	6840
296	TTTTTATTTT	TGCCCGCCGA	GTAAGTTTTC	ATAGTGAAAC	TGTCGGTAGA	TTTCGTGTGC	6900
298	CAAAATTGAAA	CGAAATTAAA	TTTTATTTTT	TCACCACTGG	CTCATTTAAA	GTTCCGCTAT	6960
300	TGCCGGTAAT	GGCCGGGCGG	CAACGACGCT	GGCCCGGCGT	ATTCGCTACC	GTCTGCGGAT	7020
302	TTCACCTTTT	GAGCCGATGA	ACAATGAAAA	GATCAAAACG	ATTGCGAGTA	CTGCCCCAGC	7080
304	GCCCCGTCAA	TCAGGACGGG	CTGATTGGCG	AGTGGCCTGA	AGAGGGGCTG	ATCGCCATGG	7140
306	ACAGCCCTT	TGACCCGGTC	TCTTCAGTAA	AAGTGGACAA	CGGTCTGATC	GTGGAACCTG	7200
308	ACGGCAAACG	CCGGGACACG	TTTGACATGA	TCGACCGATT	TATCGCCGAT	TACGCGATCA	7260
310	ACGTTGAGCG	CACAGAGCAG	GCAATGCGCC	TGGAGGCGGT	GGAAATAGCC	CGTATGCTGG	7320
312	TGGATAATTCA	TGACCCGGTC	TCTTCAGTAA	AAGTGGACAA	CGGTCTGATC	GTGGAACCTG	7380
314	AAGCGGTGCA	GGTGATGGCG	CAGATGAACG	TGGTGGAGAT	GATGATGGCG	CTGCAGAAGA	7440
316	TGCGTGCCCG	CCGGACCCCC	TCCAACCACT	GCCACGTCAC	CAATCTCAAA	GATAATCCGG	7500
318	TGCAGATTGC	CGCTGACGCC	GCCGAGGCCG	GGATCCGCGG	CTTCTCAGAA	CAGGAGACCA	7560
320	CGGTGCGTAT	CGCGCGCTAC	GCGCCGTTTA	ACGCCCTGGC	GCTGTTGGTC	GGTTCGCAGT	7620
322	GCGGCCGCC	CGGCGTGTG	ACGCAGTGCT	CGGTGGAAGA	GGCCACCGAG	CTGGAGCTGG	7680
324	GCATGCGTGG	CTTAACACGC	TACGCCGAGA	CGGTGTCGGT	CTACGGCACC	GAAGCGGTAT	7740
326	TTACCGACGG	CGATGATACG	CCGTGGTCAA	AGGCGTTTCT	CGCCTCGGCC	TACGCCCTCC	7800
328	GCGGGTTGAA	AATGCGCTAC	ACCTCCGGCA	CCGGATCCGA	AGCGCTGATG	GGCTATTCCG	7860
330	AGAGCAAGTC	GATGCTCTAC	CTCGAATCGC	GCTGCATCTT	CATTACTAAA	GGCCCGGGG	7920
332	TTCAGGGACT	GCAAAACGGC	GCGGTGAGCT	GTATCGGCAT	GACCGGCGCT	GTGCCGTCCG	7980
334	GCATTCGGGC	GGTGCTGGCG	GAAAACCTGA	TCGCCCTCTAT	GCTCGACCTC	GAAGTGCGGT	8040
336	CCGCCAACGA	CCAGACTTTC	TCCCACTCGG	ATATTCGCGG	CACCGGCGCG	ACCCTGATGC	8100
338	AGATGCTGCC	GGGCACCGAC	TTTATTTTCT	CCGGCTACAG	CGCGGTGCCG	AACTACGACA	8160
340	ACATGTTCCG	CGGCTCGAAC	TTCGATGCGG	AAGATTTTGA	TGATTACAAC	ATCCTGCAGC	8220
342	GTGACCTGAT	GGTTGACGGC	GGCCTGCGTC	CGGTGACCGA	GGCGGAAACC	ATTGCCATT	8280
344	GCCAGAAAGC	GGCGCGGGCG	ATCCAGGCGG	TTTTCCGCGA	GCTGGGGCTG	CCGCCAATCG	8340
346	CCGACGAGGA	GGTGAGGGCC	GCCACCTACG	CGCAGGCGAG	CAACGAGATG	CCGCCGCGTA	8400
348	ACGTGCTGGA	GGATCTGAGT	GCGGTGGAAG	AGATGATGAA	GCGCAACATC	ACCGGCCCTC	8460
350	ATATTGTCGG	CGCGCTGAGC	CGCAGCGGCT	TTGAGGATAT	CGCCAGCAAT	ATTCTCAATA	8520
352	TGCTGCGCCA	GCGGGTCACC	GGCGATTACC	TGCAGACCTC	GGCCATTCTC	GATCGGCAGT	8580
354	TCGAGGTGGT	GAGTGCGGTC	AACGACATCA	ATGACTATCA	GGGGCCGGGC	ACCGGCTATC	8640
356	GCATCTCTGC	CGAACGCTGG	GCGGAGATCA	AAAATATTCC	GGGCGTGGTT	CAGCCCGACA	8700
358	CCATTGAATA	AGGCGGTATT	CCTGTGCAAC	AGACAACCCA	AATTCAGCCC	TCTTTTACCC	8760
360	TGAAAACCCG	CGAGGGGGGG	GTAGCTTCTG	CCGATGAACG	CGCCGATGAA	GTGGTGATCG	8820
362	GCGTCCGGCC	TGCTTTCGAT	AAACACCAGC	ATCACACTCT	GATCGATATG	CCCATGGCG	8880
364	CGATCTCTCA	AGAGCTGATT	GCCGGGGTGG	AAGAAGAGGG	GCTTCACGCC	CGGGTGGTGC	8940
366	GCATTCTGCG	CACGTCCGAC	GTCTCCTTTA	TGGCCTGGGA	TGCGGCCAAC	CTGAGCGGCT	9000
368	GCGGGATCGG	CATCGGTATC	CAGTCAAGG	GGACCACGGT	CATCCATCAG	GCGGATCTGC	9060

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/575,638A
 DATE: 09/08/2000
 TIME: 14:26:46

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\09082000\I575638A.raw

370	TGCCGCTCAG	CAACCTGGAG	CTGTCTCTCC	AGGCGCCGCT	GCTGACGCTG	GAGACCTACC	9120
372	GGCAGATTGG	CAAAAACGCT	GCGCGCTATG	CGCGCAAAGA	GTCACCTTCG	CCGGTGCCGG	9180
374	TGGTGAACGA	TCAGATGGTG	CGGCCGAAAT	TTATGGCCAA	AGCCGCGCTA	TTTCATATCA	9240
376	AAGAGACCAA	ACATGTGGTG	CAGGACGCCG	AGCCCGTCAC	CCTGCACATC	GACTTAGTAA	9300
378	GGGAGTGACC	ATGAGCGAGA	AAACCATGCG	CGTGCAGGAT	TATCCGTTAG	CCACCCGCTG	9360
380	CCCGGAGCAT	ATCCTGACGC	CTACCGGCAA	ACCATTGACC	GATATTACCC	TCGAGAAGGT	9420
382	GCTCTCTGGC	GAGGTGGGCC	CGCAGGATGT	GCGGATCTCC	CGCCAGACCC	TTGAGTACCA	9480
384	GGCGCAGATT	GCCGAGCAGA	TGCAGCGCCA	TGCGGTGGCG	CGCAATTTCC	GCCGCGCGGC	9540
386	GGAGCTTATC	GCCATTCTTG	ACGAGCGCAT	TCTGGCTATC	TATAACGCGC	TGCGCCCGTT	9600
388	CCGCTCTCG	CAGGCGGAGC	TGCTGGCGAT	CGCCGACGAG	CTGGAGCACA	CCTGGCATGC	9660
390	GACAGTGAAT	GCCGCTTTTG	TCCGGGAGTC	GGCGGAAGTG	TATCAGCAGC	GGCATAAGCT	9720
392	GCGTAAAGGA	AGCTAAGCGG	AGGTCAGCAT	GCCGTAAATA	GCCGGGATTG	ATATCGGCAA	9780
394	CGCCACCACC	GAGGTGGCGC	TGGCGTCCGA	CTACCCGCAG	GCGAGGGCGT	TTGTTGCCAG	9840
396	CGGGATCGTC	GCGACGACGG	GCATGAAGAG	GACGCGGGAC	AATATCGCCG	GGACCCTCGC	9900
398	CGCGCTGGAG	CAGGCCCTGG	CGAAAAACAC	GTGGTCGATG	AGCGATGTCT	CTCGCATCTA	9960
400	TCTTAACGAA	GCCGCGCCGG	TGATTGGCGA	TGTGGCGATG	GAGACCATCA	CCGAGACCAT	10020
402	TATCACCGAA	TCGACCATGA	TCGGTCATAA	CCCCGAGACG	CCGGGCGGGG	TGGGCGTTGG	10080
404	CGTGGGGACG	ACTATCGCCC	TCGGGCGGCT	GGCGACGCTG	CCGGCGGCGC	AGTATGCCGA	10140
406	GGGGTGGATC	GTACTGATTG	ACGACGCCGT	CGATTTCTTT	GACGCCGTGT	GGTGGCTCAA	10200
408	TGAGGCGCTC	GACCGGGGGA	TCAACGTGGT	GGCGGCGATC	CTCAAAAAGG	ACGACGGCGT	10260
410	GCTGGTGAAC	AACCGCTTGC	GTAAAACCTT	GCCGGTGGTG	GATGAAGTGA	CGCTGCTGGA	10320
412	GCAGGTCCCC	GAGGGGGTAA	TGGCGGCGGT	GGAAGTGGCC	GCGCCGGGGC	AGGTGGTGCG	10380
414	GATCCTGTCT	AATCCCTACG	GGATCGCCAC	CTTCTTCGGG	CTAAGCCCGG	AAGAGACCCA	10440
416	GGCCATCGTC	CCCATCGCCC	GCGCCCTGAT	TGGCAACCGT	TCCGCGGTGG	TGCTCAAGAC	10500
418	CCCGCAGGGG	GATGTGCAGT	CCGCGGTGAT	CCCGCGGGCG	AACCTCTACA	TTAGCGGCGA	10560
420	AAAGCGCCCG	GGAGAGGCCG	ATGTCGCCGA	GGGCGCGGAA	GCCATCATGC	AGGCGATGAG	10620
422	GCGCTGCGCT	CCGGTACGCG	ACATCCGCGG	CGAACCGGGC	ACCCACGCCG	GCGGCATGCT	10680
424	TGAGCGGGTG	CGCAAGGTAA	TGGCGTCCCT	GACCGGCCAT	GAGATGAGCG	CGATATACAT	10740
426	CCAGGATCTG	CTGGCGGTGG	ATACGTTTAT	TCCGCGCAAG	GTGCAGGGCG	GGATGGCCCG	10800
428	CGAGTGCGCC	ATGGAGAATG	CCGTCGGGAT	GGCGGCGATG	GTGAAAGCGG	ATCGTCTGCA	10860
430	AATGCAGGTT	ATCGCCCGCG	AACTGAGCGC	CCGACTGCAG	ACCGAGGTGG	TGGTGGGCGG	10920
432	CGTGGAGGCC	AACATGGCCA	TCGCGGGGCG	GTTAACCCTT	CCCGGCTGTG	CGGCGCCGCT	10980
434	GGCGATCCTC	GACCTCGGCG	CCGGCTCGAC	GGATGCGGCG	ATCGTCAACG	CGGAGGGGCA	11040
436	GATAACGGCG	GTCCATCTCG	CCGGGGCGGG	GAATATGGTC	AGCCTGTTGA	TTAAAACCGA	11100
438	GCTGGGCCTC	GAGGATCTTT	CGCTGGCGGA	AGCGATAAAA	AAATACCCCG	TGGCCAAAGT	11160
440	GGAAAGCCTG	TTCAATATTC	GTACAGGAAA	TGGCGCGGTG	GAGTTCTTTC	GGGAAGCCCT	11220
442	CAGCCCGGCG	GTGTTTGCCA	AAGTGGTGTA	CATCAAGGAG	GGCGAACTGG	TGCCGATCGA	11280
444	TAACGCCAGC	CCGCTGGAAA	AAATTCGTCT	CGTGCGCCGG	CAGGCGAAAG	AGAAAGTGTT	11340
446	TGTCACCAAC	TGCTTGCCTG	CGCTGCGCCA	GGTCTCACCC	GGCGGTTCCT	TTCCGATAT	11400
448	CGCCTTTTGT	GTGCTGGTGG	GCGGCTCATC	GCTGGACTTT	GAGATCCCGC	AGCTTATCAC	11460
450	GGAAGCCTTG	TCGCACTATG	CGGTGGTTCG	CGGGCAGGGC	AATATTCGGG	GAACAGAAGG	11520
452	GCCGCGCAAT	GCGGTGCGCA	CCGGGTGCTG	ACTGGCCGGT	CAGGCGAATT	AAACGGGCGC	11580
454	TCGCGCGAGC	CTCTCTCTTT	AACGTGCTAT	TTCAGGATGC	CGATAATGAA	CCAGACTTCT	11640
456	ACCTTAACCG	GGCAGTGCCT	GGCCGAGTTT	CTTGGCACCG	GATTGCTCAT	TTTCTTCGGC	11700
458	GCGGGCTGCG	TCGCTGCGCT	GCGGGTGCCT	GGGGCCAGCT	TTGGTCAAGT	GGAGATCAGT	11760
460	ATTATCTGGG	GCCTTGGCGT	CGCCATGGCC	ATCTACCTGA	CGGCCGGTGT	CTCCGGCGCG	11820
462	CACCTAAATC	CGGCGGTGAC	CATTGCCCTG	TGGCTGTTCT	CCTGTTTTGA	ACGCCGCAAG	11880
464	GTGCTGCCGT	TTATTGTTGC	CCAGACGGCC	GGGGCCTTCT	GCGCCGCGCG	GCTGGTGTAT	11940
466	GGGCTCTATC	GCCAGCTGTT	TCTCGATCTT	GAACAGAGTC	AGCATATCGT	GCGCGGCAC	12000

VERIFICATION SUMMARY

DATE: 09/08/2000

PATENT APPLICATION: US/09/575,638A

TIME: 14:26:47

Input Set : A:\Pto.amc *

Output Set: N:\CRF3\09082000\I575638A.raw

L:38 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:39 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:66 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:484 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:498 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:512 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:526 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:540 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:554 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:568 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:582 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:612 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:626 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:640 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:654 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:668 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:688 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:706 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:720 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:734 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:748 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:762 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:776 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:790 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:804 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:818 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:832 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:846 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:860 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:874 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:888 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:902 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:916 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:930 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:944 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:958 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:986 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1000 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1006 M:220 C: Keyword misspelled or invalid format, [(i) SEQUENCE CHARACTERISTICS:]
L:1014 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1028 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1042 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1056 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1070 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1084 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1098 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1112 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]

1651

RAW SEQUENCE LISTING DATE: 09/05/2000
 PATENT APPLICATION: US/09/575,638A TIME: 12:17:04

Input Set : A:\CRr9715 US DIV1 corrected seq listing.txt
 Output Set: N:\CRF3\09052000\I575638A.raw

**Does Not Comply
 Corrected Diskette Needed**

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:
 5 (i) APPLICANT: LAFFEND, LISA ANNE
 6 NAGARAJAN, VASANTHA
 7 NAKAMURA, CHARLES
 9 (ii) TITLE OF INVENTION: BIOCONVERSION OF A FERMENTABLE
 10 CARBON SOURCE TO 1,3-PROPANE-
 11 DIOL BY A SINGLE MICROORGANISM
 13 (iii) NUMBER OF SEQUENCES: 46
 23 (iv) CORRESPONDENCE ADDRESS:
 25 (B) STREET: 4 CAMBRIDGE PLACE
 26 1870 SOUTH WINTON ROAD
 27 (C) CITY: ROCHESTER
 28 (D) STATE: NEW YORK
 29 (E) COUNTRY: U.S.A.
 30 (F) ZIP: 14618
 32 (v) COMPUTER READABLE FORM:
 33 (A) MEDIUM TYPE: 3.50 INCH DISKETTE
 34 (B) COMPUTER: IBM
 35 (C) OPERATING SYSTEM: MICROSOFT WINDOWS 95
 36 (D) SOFTWARE: MICROSOFT WORD 7.0A
 38 (vi) CURRENT APPLICATION DATA:
 C--> 39 (A) APPLICATION NUMBER: US/09/575,638A
 C--> 40 (B) FILING DATE: 22-May-2000
 41 (C) CLASSIFICATION:
 43 (vii) PRIOR APPLICATION DATA:
 44 (A) APPLICATION NUMBER: 08/440,293
 45 (B) FILING DATE: MAY 12, 1995
 47 (viii) ATTORNEY/AGENT INFORMATION:
 48 (A) NAME: LINDA AXAMETHY FLOYD
 49 (B) REGISTRATION NUMBER: 33,692
 50 (C) REFERENCE/DOCKET NUMBER: CR9715 US DIV1
 52 (ix) TELECOMMUNICATION INFORMATION:
 53 (A) TELEPHONE: 302-892-8112
 54 (B) TELEFAX: 302-773-0164

ERRORED SEQUENCES

VERIFICATION SUMMARY

DATE: 09/05/2000

PATENT APPLICATION: US/09/575,638A

TIME: 12:17:05

Input Set : A:\CRr9715 US DIV1 corrected seq listing.txt

Output Set: N:\CRF3\09052000\I575638A.raw

L:39 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:40 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:0 M:200 E: Mandatory Header Field missing, [(A) ADDRESSEE:]
L:67 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:485 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:499 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:513 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:527 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:541 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:555 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:569 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:583 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:613 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:627 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:641 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:655 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:669 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:689 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:707 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:721 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:735 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:749 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:763 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:777 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:791 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:805 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:819 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:833 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:847 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:861 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:875 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:889 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:903 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:917 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:931 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:945 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:959 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:987 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1001 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1007 M:220 C: Keyword misspelled or invalid format, [(i) SEQUENCE CHARACTERISTICS:]
L:1015 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1029 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1043 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1057 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1071 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1085 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1099 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1108 M:220 C: Keyword misspelled or invalid format, [(C) STRANDEDNESS:]

VERIFICATION SUMMARY

DATE: 09/05/2000

PATENT APPLICATION: US/09/575,638A

TIME: 12:17:05

Input Set : A:\CRr9715 US DIV1 corrected seq listing.txt

Output Set: N:\CRF3\09052000\I575638A.raw

L:1108 M:220 C: Keyword misspelled or invalid format, Poss data loss, Seq 46, (C) STRANDEDNESS:
L:1113 M:220 C: Keyword misspelled or invalid format, [(xi) SEQUENCE DESCRIPTION: SEQ ID NO:]
L:1118 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:46